



284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-1	SDG No.:	O2505
Lab Sample ID:	O2505-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041594.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1.18	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.8		1.14	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.8		40 - 140	48%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-01	Acq On:	28 Apr 2023 02:15
Client Sample ID:	WO-1	Operator:	YP\AJ
Data file:	FE041594.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	678938	4.536	300	ug/ml
Aliphatic C12-C16	6.878	10.315	1081137	6.942	200	ug/ml
Aliphatic C16-C21	10.316	13.682	5892840	36.516	300	ug/ml
Aliphatic C21-C28	13.683	17.343	11635599	73.583	400	ug/ml
Aliphatic C28-C40	17.344	22.280	66789778	480.137	600	ug/ml
Aliphatic EPH	3.256	22.280	86078292	601.713		ug/ml
ortho-Terphenyl (SURR)	11.985	11.985	4467655	23.81		ug/ml
1-chlorooctadecane (SURR)	13.422	13.422	4878351	34.53		ug/ml
Aliphatic C9-C28	3.256	17.343	19288514	121.577	1200	ug/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-2	SDG No.:	O2505
Lab Sample ID:	O2505-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041595.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.14	J	1.25	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1.21	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.8		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.3		40 - 140	51%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-02	Acq On:	28 Apr 2023 02:45
Client Sample ID:	WO-2	Operator:	YP\AJ
Data file:	FE041595.D	Misc:	
Instrument:	FID_E	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	489701	3.272	300	ug/ml
Aliphatic C12-C16	6.878	10.315	569838	3.659	200	ug/ml
Aliphatic C16-C21	10.316	13.682	5839964	36.189	300	ug/ml
Aliphatic C21-C28	13.683	17.343	1947808	12.318	400	ug/ml
Aliphatic C28-C40	17.344	22.280	22572187	162.266	600	ug/ml
Aliphatic EPH	3.256	22.280	31419498	217.703		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	4748496	25.31		ug/ml
1-chlorooctadecane (SURR)	13.420	13.420	3502114	24.79		ug/ml
Aliphatic C9-C28	3.256	17.343	8847311	55.438	1200	ug/ml

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-3	SDG No.:	O2505
Lab Sample ID:	O2505-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041603.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	438	E	1.23	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	467	E	1.19	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-03	Acq On:	28 Apr 2023 06:47
Client Sample ID:	WO-3	Operator:	YP\AJ
Data file:	FE041603.D	Misc:	
Instrument:	FID_E	ALS Vial:	44
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	5584425	37.311	300	ug/ml
Aliphatic C12-C16	6.878	10.315	9482544	60.885	200	ug/ml
Aliphatic C16-C21	10.316	13.682	26280257	162.851	300	ug/ml
Aliphatic C21-C28	13.683	17.343	848541505	5370	400	ug/ml
Aliphatic C28-C40	17.344	22.280	833119910	5990	600	ug/ml
Aliphatic EPH	3.256	22.280	1723008641	11600		ug/ml
ortho-Terphenyl (SURR)	11.984	11.984	4983853	26.57		ug/ml
1-chlorooctadecane (SURR)	13.422	13.422	3909224	27.67		ug/ml
Aliphatic C9-C28	3.256	17.343	889888731	5630	1200	ug/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-4	SDG No.:	O2505
Lab Sample ID:	O2505-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	49.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041604.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	540	E	2.13	8.11	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1480	E	2.07	4.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	15.5		40 - 140	31%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	14.9		40 - 140	30%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-04	Acq On:	28 Apr 2023 07:17
Client Sample ID:	WO-4	Operator:	YP\AJ
Data file:	FE041604.D	Misc:	
Instrument:	FID_E	ALS Vial:	45
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	3684919	24.62	300	ug/ml
Aliphatic C12-C16	6.878	10.315	2850148	18.3	200	ug/ml
Aliphatic C16-C21	10.316	13.682	26050174	161.425	300	ug/ml
Aliphatic C21-C28	13.683	17.343	599800901	3790	400	ug/ml
Aliphatic C28-C40	17.344	22.280	1522521116	10900	600	ug/ml
Aliphatic EPH	3.256	22.280	2154907258	14900		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	2792425	14.88		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	2191741	15.51		ug/ml
Aliphatic C9-C28	3.256	17.343	632386142	4000	1200	ug/ml



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Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-6	SDG No.:	O2505
Lab Sample ID:	O2505-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041605.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	638	E	1.67	6.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	890	E	1.62	3.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	16.6		40 - 140	33%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	15.3		40 - 140	31%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-06	Acq On:	28 Apr 2023 07:47
Client Sample ID:	WO-6	Operator:	YP\AJ
Data file:	FE041605.D	Misc:	
Instrument:	FID_E	ALS Vial:	46
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	4761084	31.81	300	ug/ml
Aliphatic C12-C16	6.878	10.315	4495270	28.863	200	ug/ml
Aliphatic C16-C21	10.316	13.682	92757259	574.789	300	ug/ml
Aliphatic C21-C28	13.683	17.343	852770757	5390	400	ug/ml
Aliphatic C28-C40	17.344	22.280	1167556513	8390	600	ug/ml
Aliphatic EPH	3.256	22.280	2122340883	14400		ug/ml
ortho-Terphenyl (SURR)	11.985	11.985	2867105	15.28		ug/ml
1-chlorooctadecane (SURR)	13.426	13.426	2347863	16.62		ug/ml
Aliphatic C9-C28	3.256	17.343	954784370	6030	1200	ug/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-5	SDG No.:	O2505
Lab Sample ID:	O2505-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041606.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6330	E	2.18	8.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7440	E	2.12	4.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.7		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-05	Acq On:	28 Apr 2023 08:17
Client Sample ID:	WO-5	Operator:	YP\AJ
Data file:	FE041606.D	Misc:	
Instrument:	FID_E	ALS Vial:	47
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	23035338	153.904	300	ug/ml
Aliphatic C12-C16	6.878	10.315	34457408	221.244	200	ug/ml
Aliphatic C16-C21	10.316	13.682	455002429	2820	300	ug/ml
Aliphatic C21-C28	13.683	17.343	6731247836	42600	400	ug/ml
Aliphatic C28-C40	17.344	22.280	7486988569	53800	600	ug/ml
Aliphatic EPH	3.256	22.280	14730731580	99600		ug/ml
ortho-Terphenyl (SURR)	11.994	11.994	5891526	31.4		ug/ml
1-chlorooctadecane (SURR)	13.445	13.445	3353734	23.74		ug/ml
Aliphatic C9-C28	3.256	17.343	7243743011	45800	1200	ug/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-3DL	SDG No.:	O2505
Lab Sample ID:	O2505-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041625.D	20	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	377		24.6	93.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	525		23.9	46.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.87		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.79		40 - 140	72%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-03DL	Acq On:	01 May 2023 09:44
Client Sample ID:	O2505-03DL	Operator:	YP\AJ
Data file:	FE041625.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.881	599004	4.002	300	ug/ml
Aliphatic C12-C16	6.882	10.321	821086	5.272	200	ug/ml
Aliphatic C16-C21	10.322	13.691	1171476	7.259	300	ug/ml
Aliphatic C21-C28	13.692	17.357	35615526	225.23	400	ug/ml
Aliphatic C28-C40	17.358	22.307	46872703	336.957	600	ug/ml
Aliphatic EPH	3.258	22.307	85079795	578.72		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	336165	1.79		ug/ml
1-chlorooctadecane (SURR)	13.422	13.422	264448	1.87		ug/ml
Aliphatic C9-C28	3.258	17.357	38207092	241.763	1200	ug/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-4DL	SDG No.:	O2505
Lab Sample ID:	O2505-04DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	49.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041626.D	25	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	192	J	53.2	203	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1340		51.7	101	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.92		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.81		40 - 140	40%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-04DL	Acq On:	01 May 2023 10:15
Client Sample ID:	O2505-04DL	Operator:	YP\AJ
Data file:	FE041626.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.881	459149	3.068	300	ug/ml
Aliphatic C12-C16	6.882	10.321	935256	6.005	200	ug/ml
Aliphatic C16-C21	10.322	13.691	442693	2.743	300	ug/ml
Aliphatic C21-C28	13.692	17.357	7606398	48.102	400	ug/ml
Aliphatic C28-C40	17.358	22.307	55352624	397.918	600	ug/ml
Aliphatic EPH	3.258	22.307	64796120	457.836		ug/ml
ortho-Terphenyl (SURR)	11.984	11.984	152822	0.81		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	130672	0.92		ug/ml
Aliphatic C9-C28	3.258	17.357	9443496	59.918	1200	ug/ml

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-6DL	SDG No.:	O2505
Lab Sample ID:	O2505-06DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041627.D	20	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	408		33.4	127	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	965		32.5	63.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.17		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.02		40 - 140	41%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-06DL	Acq On:	01 May 2023 10:45
Client Sample ID:	O2505-06DL	Operator:	YP\AJ
Data file:	FE041627.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.881	503709	3.365	300	ug/ml
Aliphatic C12-C16	6.882	10.321	1081908	6.947	200	ug/ml
Aliphatic C16-C21	10.322	13.691	1382574	8.567	300	ug/ml
Aliphatic C21-C28	13.692	17.357	28002175	177.083	400	ug/ml
Aliphatic C28-C40	17.358	22.307	63351430	455.419	600	ug/ml
Aliphatic EPH	3.258	22.307	94321796	651.382		ug/ml
ortho-Terphenyl (SURR)	11.984	11.984	191442	1.02		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	165118	1.17		ug/ml
Aliphatic C9-C28	3.258	17.357	30970366	195.962	1200	ug/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-5DL	SDG No.:	O2505
Lab Sample ID:	O2505-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041628.D	100	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6220		218	828	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6580		211	414	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.53		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.38		40 - 140	76%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-05DL	Acq On:	01 May 2023 11:15
Client Sample ID:	O2505-05DL	Operator:	YP\AJ
Data file:	FE041628.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.881	567335	3.79	300	ug/ml
Aliphatic C12-C16	6.882	10.321	565733	3.632	200	ug/ml
Aliphatic C16-C21	10.322	13.691	1718895	10.651	300	ug/ml
Aliphatic C21-C28	13.692	17.357	68322893	432.068	400	ug/ml
Aliphatic C28-C40	17.358	22.307	66241597	476.196	600	ug/ml
Aliphatic EPH	3.258	22.307	137416453	926.339		ug/ml
ortho-Terphenyl (SURR)	11.982	11.982	71643	0.38		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	74502	0.53		ug/ml
Aliphatic C9-C28	3.258	17.357	71174856	450.141	1200	ug/ml